



**MINUTES  
GASKET WORKING GROUP  
MEETING**

**Dates:** February 7, 2019

**Time:** 9:00 AM – 10:30 AM EST

**Vehicle:** Go-to-Meeting

**Present:**

Mark Neal - FSA

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Henri Azibert - FSA

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**Absent:**

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Barry Anderson – Technetics  
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## 1) Approval of Agenda

## 2) SWG Testing Standard

- **Round Robin Progress**

- **Test results or observations**

- **Results from Garlock – Empak – Yarmouth – A.W. Chesterton (reformat)**
- **Testing complete but report to be received - AMTEC/James Walker in process – Please send the reports to Henri for compilation when completed.**
- **Concentration and mass flow rate class levels determination – Less than 25 ppm for class 1 - class 2 Less than 50 PPM**
- **Mass flow rate measurement**
  - **Class 1: less than 2.18E-03 mg/m/s or 2.73E-04 mg/s (methane); less than 5.45E-04 mg/m/s or 6.84E-05 mg/s (Helium).**
  - **Class 2: less than 4.35E-03 mg/m/s or 5.46E-04 mg/s (methane); less than 1.09E-03 mg/m/s or 1.37E-04 mg/s (Helium).**
- **updated draft includes the mg/s.m limits – Second round robin to double check mas flow limits (Frank will check) – Henri to include Jim’s calculations in the notes – Methane density used at standard pressure and temperature conditions**
- **Second round robin - Consensus is to test both Kammprofile and a low-quality gasket**
- **Test facilities, Chesterton, Garlock, James Walker, Yarmouth Research – AMTEC – Empack**
- **Triangle Fluid and EGC will provide samples – Kammprofile is ready, but problem encountered new gaskets needed expected within 2 weeks**
- **Thom has generic gaskets 3” class 300# flange and the gaskets were sent out**
- **Ron and Chett to draft intro noting PCC-1 methodology and to add nomenclature warning for pressurized flammable gas – Chett got together with Ron – Not much to pull, this is just a question for liability. One sentence**

*to be added possibly also on best practices from Matt and safety considerations. Chett to coordinate*

### 3) Handbook

- *Publication on Website*
  - *Posted in ESA and FSA websites*

### 4) KnowledgeBase

- *Sealing sense articles live*
- *Folder in SharePoint to collect material*
- *Training material uploaded needs editing*
- *Chett broke down handbook into sections – Posted on SharePoint – All were to look at topics and volunteer*
- *Format can be pdf from manual as it might be easier – Let us start with breaking it down into chapters into pdf files – later on we can always do PowerPoint files. – Need to organize the process and get volunteers*
- *Form working group since we will be into waiting mode for SWG test round robin results –Chett working with Sylvia, Ron, Larry, Thom – Worked on scheduling meeting – possibly next Thursday 2/14 at 2:00 PM Henri to include note in the invitation for the next major team meeting*

### 5) Standards

- *FSA Standards - List of corrections needed*
  1. *FSA-MG-501-02 STANDARD – to be retired with watermark – Chett was working on it – Thom was to talk to Hope to find out where it stands – in progress*
  2. *Steam Test ASTM F2716 and M&Y Statement - files with watermark – Completed – to be posted on website – Thom and Chett to check*
  3. *(FSA-NMG-201-02) Recommended Practices for Determination of Extractable Sulfur for Non-Metallic Gasketing Material - Chett reviewed – draft to be done and then be reviewed by group*
  4. *(FSA-NMG-202-02) Recommended Practice for Determination of Water Soluble Chlorides – Chett reviewed – different methods – remove silver nitrate titration and change to Ion chromatography as preferred – need feedback from group – Draft to be done by Chett and then Henri to send out for review*
  5. *FSA-NMG-204-02\_RETIRED –link repaired and all set*
  6. *FSA-G-604-07) Oxidation Test Standard for Flexible Graphite Materials – Thom to review and coordinate update with Chett – in progress*
- *ASME B16.20 – Edition Year is 2017 - SWG room temperature test, and elimination of double jacketed gaskets –Next Edition will be 2022 - Much interest in stress of Kammprofile gaskets - Next meeting Florida March 25, 2019 - Matt will be at the meeting*

- **API SWG testing adoption**
  7. **Other types of gasket – (Kammprofile) second round robin might spark interest – Need coordination and contact**
- b) **Sealing Sense Articles**
  - i. **Articles schedule**
    1. **4/1/2019 – 8/1/2019 – 12/1/2019 – (1200 to 1800 words 2+ images)**
  - ii. **Topics possibilities**
    1. **Graphite and oxidizers 4/1/2019 Thom**
    2. **Bolting 8/1/2019 Randy**
    3. **Test Standard release or development - Later in the year**
    4. **Material article possibility from Sylvia Pan – HP Materials Solution - [span@hpmsgraphite.com](mailto:span@hpmsgraphite.com)**
    5. **Need some more topics – FRP PTFE gaskets sealing stress question came in – Henri to forward to Chett and Ron and use as social media content**
  - iii. **Other Publications**
    1. **BIC (writing guidelines available - 400 to 600 words)**
    2. **KCI**
    3. **Flow Control**
- 6) **Training – Webinars**
  1. **Webinars – Anti-seize / K factor series– Ron to contact Tom Blake at Jet-Lube**
  2. **Webinars based on the manual**
- 7) **Government Affairs**
  - i. **Environmental Regulation**
    1. **Mexico issued draft of methane and hydrocarbon rule – Comments prepared for FSA response – translated and filed with the Mexican Government – Waiting for release – Antonio to monitor and waiting for decision from new government**
    2. **EPA Rule on Methane still in effect**
    3. **States action monitoring**
    4. **Pennsylvania (permit rule went into effect August 8), Colorado, Wyoming – Ohio EPA DAPC Rulemaking - New Oil & Gas Industry Rules - Requesting Stakeholder Input**
    5. **California Governor Jerry Brown signed new renewable energy mandate that by 2025, 50% of all power will be derived from renewable sources, and 60% by 2030.**
    6. **Canada rule –regulations respecting reduction in the release of Methane and Certain volatile Organic Compounds released April 26, 2018 - Implementation is 2020 – Alberta proposed regulation - comments submitted on 5/27/18 – British Columbia has released their regulation -**
    7. **IED (Industrial Emissions Directive) BATIS (Best Available Techniques Information System) and Brefs – Upgrade the ESA**

*document on Sealing with final draft just needing expansion joints section images for release*

**ii. Trade**

- 1. Environmental Goods no progress**
- 2. Tariffs trade wars - full blown with Europe and Canada (steel and aluminum) – Deal with Mexico and Canada needs ratification – Confusion reigns – Meeting between US and China going on**
- 3. CEO FSA lunch asked that Government Affairs committee look into it due to added costs - FSA President sending letter to Wilbur Ross, United States Secretary of Commerce. Letters to be drafted for Senator Ron Johnson action on reversing tariffs – Need example of how it hurts business – use template - Hope sent Government Affairs committee initiative documents to members**

**iii. Brexit - Stalemate – No deal currently – Parliamentary vote was defeated – possibility to go for Authorised Economic Operator (AEO) trusted trader status - keep monitoring**

**iv. EU Drinking water standards –EU Drinking Water standards - Drinking Water Directive (DWD) in Europe. European Parliament has published report in favor of one uniform test – EDW very active and published a paper questioning the new approach – 10-member states report also issued saying the same thing in favor of following the EDW proposal. Encouraging but no formal decision yet – keep monitoring – Current timeline:**

- 1. 26 June 2019: Council reaches an agreement on a common position on the DWD**
- 2. October 2019: The new European Parliament (elected in May 2019) will be ready for negotiations with the Council. Its position should be based on the current position of the European Parliament.**
- 3. October – March/April 2020: Negotiations between the European Parliament and the Council (trilogues) to reach an agreement on a common text**
- 4. April 2020: Final adoption of the DWD**

**v. Food contact Graphite – EC 1935/2004: Follow German regulation and declare compliance from ESA - Schunk Conducting migration test with also MAMAT involved – On-going activity for testing**

**8) LCC – maybe after KnowledgeBase**

**9) Membership**

**i. Klinger**

**ii. SGL – Ron follow up**

**iii. South West Research**

**10) Marketing**

- i. promotion of Handbook*
- ii. FSA, ESA website viewing*
- iii. Social media*

## **11)Outreach Projects**

- i. VMA – Updating valve basics going from one 2 ½ day class to 2 1 ½ day classes – after that they will consider cooperation - Valve Industry Knowledge Forum, April 9-11, 2019*
- ii. HI*
  - 1. Guide books recommendation – Commercial Buildings, packing write-up – Slurry Webinar – Condition Monitoring for rotary pumps – Engineering Data Book – Variable Speed Drive Webinar – MS handbook update and revise packing power consumption in LCC section*
  - 2. Co-location for the Fall of 2019 in Pittsburg PA*
- iii. KCI Valve World Americas 2019- Ron reached out for training opportunities*
- iv. Industrial Valve Summit 22/23 May 2019 in Bergamo*
- v. API – Spring Refining Meeting – May 06, May 09, 2019, Grand Hyatt San Antonio, San Antonio, Texas - Issue with higher temperature testing and safety with methane*
- vi. MSS interest in the gasket test – Lucas reached out but has not had answers*
- vii. Power Gen – no plans*
- viii. Chinese Packing and Gasket Association – Keep channels open*
- ix. Indian Sealing Association*
- x. VDI -*
- xi. BHRG*
- xii. ISA*

## **12)New Business**

## **13)Next meeting**

**14)Adjournment**

***hva 02/07/2019***